IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION: S. Mark Haugland	8	EXAMINER: Unknown
SERIAL NO.	3 69 6	GROUP ART UNIT: Unknown
FILED:	8	
FOR: METHOD OF ESTIMATING ELECTRICAL PARAMETERS OF AN EARTH FORMATION WITH A SIMPLIFIED MEASUREMENT DEVICE MODEL	, , , , , , ,	

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Pursuant to Applicant's duty, under 37 C.F.R. § 1.56, 1.97 and 1.98, to disclose all relevant material, the Applicant lists below the following references believed to be relevant to the subject matter of the above-identified application:

	U.S. Patent No.	Issue Date	<u>Inventor</u>
1.	3,944,910	03-16-1976	Rau
2.	4,185,238	01-22-1980	Huchital et al.
3.	4,209,247	06-24-1980	Urano et al.
4.	4,209,747	06-24-1980	Huchital
5.	4,780,679	10-25-1988	Kenyon et al.
6.	4,899,112	02-06-1990	Clark et al.
7.	4,968,940	11-06-1990	Clark et al.
8.	5,157,605	10-20-1992	Chandler et al.
9.	5,210,691	05-11-1993	Freedman et al.
10.	5,469,062	11-21-1995	Meyer, Jr.
11.	5,594,343	01-14-1997	Clark et al.

12.	5,675,147	10-07-1997	Ekstrom et al.
13.	5,867,806	01-02-1999	Strickland et al.
14.	5,869,968	02-09-1999	Brooks et al.
15.	5,881,973	03-16-1999	Agajanian et al.
16.	5,892,361	04-06-1999	Meyer, Jr. et al.
17.	5,963,036	10-05-1999	Wu et al.
18.	5,966,013	10-12-1999	Hagiwara
19.	6,047,240	04-04-2000	Barber et al.
20.	6,060,884	05-09-2000	Meyer, Jr. et al.
21.	6,092,024	07-18-2000	Wu
22.	6,211,678 B1	04-03-2001	Hagiwara
23.	6,216,090 B1	04-10-2001	Hagiwara
24.	6,218,841 B1	04-17-2001	Wu
25.	6,344,746 B1	02-05-2002	Chundurur et al.
26.	6,366,858 B1	04-02-2002	Haugland
27.	6,385,545 B1	05-07-2002	Wu
28.	2003/0163258 A1	08-28-2003	Haugland

OTHER DOCUMENTS

- Dielectric-Independent 2-MHz Propagation Resistivities, Peter T. Wu, John R. Lovell, Brian Clark, Stephen D. Bonner and Jacques R. Tabanou, Society of Petroleum Engineers, Inc. SPE 56448, 19 pages (1999).
- New Developments in 2- MHz Electromagnetic Wave Resistivity
 Measurements, S. Gianzero, G. A. Merchant, M. Haugland and R.
 Strickland, SPWLA 35th Annual Logging Symposium, pp. 1-25 (June 19-22, 1994).

- Vertical Deconvolution of 2 MHz Propagation Tools, Richard Rosthal,
 David Allen and Stephen Bonner, SPWLA 34th Annual Logging
 Symposium (June 13-16, 1993).
- Geometric Factor and Adaptive Deconvolution of MWD-PWR Tools, Q.
 Zhou, D. J. Hilliker and D. Norwood, The Log Analyst, pp. 390-398
 (July-August, 1992).
- 5. Reconciling Differences in Depth of Investigation Between 2- MHz

 Phase Shift and Attenuation Resistivity Measurements, Tarek Habashy
 and Barbara Anderson, SPWLA 32nd Annual Logging Symposium, pp.
 1-20 (June 16-19, 1991).
- Complex Variables and Applications 5th Ed., Ruel V. Churchill and James Ware Brown, 2 cover pages and pp. 48-50 (1990).
- 7. Waves and Fields In Inhomogeneous Media, Transients, Weng Cho Chew, 2 cover pages, pp. 244-246, 360-365 and 485-487 (1990).
- 8. Algorithm 624: Triangulation and Interpolation at Arbitrarily Distributed
 Points In the Plane, Robert J. Renka, ACM Transaction on
 Mathematical Software, Vol. 10, pp. 440-442 (December 4, 1984).
- A Triangle-Based C¹ Interpolation Method, R. J. Renka and A. K. Cline, rocky Mountain Journal of Mathematics, Vol. 14, No. 1, pp. 223-237 (Winter 1984).
- Geophysics, A Journal of General and Applied Geophysics, Published by The Society of Exploration Geophysicists, Vol. XXVII, No. 6, Part 1, cover page and pp. 828-858 (December 1962).
- MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device,
 Geophysical Prospecting 27, pp. 902-930 (1979).

- Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John
 R. Lovell and Weng Cho Chew, IEEE Transactions on Geoscience and
 Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990).
- 13. BADEA, EUGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown).
- Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE
 Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996).
- 15. Numerical Recipes, The Art of Scientific Computing, © Cambridge
 Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 5265 and 520-527 (1986).
- 16. NAG Fortran Library Manual Mark 18, © The Numerical Algorithms
 Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 –
 E04.16 and 1-6 (September 1997).
- New Discovery with Important Implications of LWD Propagation
 Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA
 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001).
- 18. Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46.
- 19. Estimation Of Water Content and Porosity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999.
- Comparisions of Wireline and LWD Resistivity Highlight Resistivity
 Frequency Dispersion In Sedimentary Formations, Roland Chemali,

Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995).

21. In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD

Propagation Resistivity Tools, W. Hal Meyer, SPWLA 40th Annual
Logging Symposium, pp. 1-14, (May 30 – June 3, 1999).

Applicant respectfully submits that the invention in the above-identified application is patentably distinguishable over the cited references known to Applicant and disclosed in the above Information Disclosure Statement.

This Information Disclosure Statement is being filed **within** three months of the filing date of this national application or the date of entry of the national stage as set forth in § 1.491 in an international application.

Respectfully submitted,

Date: Sept 26, 7003

Stuart J. Ford Reg./Nb. 37,486

PathFinder Energy Services, Inc.

15151 Sommermeyer Houston, TX 77041

(713) 996-1760 Telephone

(713) 996-1730 Facsimile

--Applicant--

Substitute for fo	rm 1449A/	PTO				Complete if	Kno	wn	
			NI DIGG! GG!!55		Application	on Number	Γ		
			ON DISCLOSURE		Filing Dat				
STATEMENT BY APPLICANT (use as many sheets as necessary)			First Named Inventor			. Mark Haugland			
				Art Unit					
	(use as	many :	sneets as necessary)		Examiner	Name			
Sheet	1		of 2			Oocket Number	AT009CON		
			U.	S. PAT	ENT DOCU	MENTS			
			Document Number						
Examiner	Cite			cation Date			Pages, Columns, Lines Where Relevant Passag		
nitials*	No.	Nur	nber-Kind Code (if known)	MM-	DD-YYYY	Applicant of Cited Document		or Relevant Figures Appe	
	AA	US-	3.944.910	03-16	-1976	Rau			
	AB	US-	4.185,238	01-22		Huchital et al.			
	AC	US-	4,209,247		-1980	Urano et al.			
	AD	US-	4,209,747		-1980	Huchital			
	AE	US-	4,780,679	10-25	10-25-1988 Kenyon et al.				
	AF	US-	4,899,112	02-06	-1990	Clark et al.			
	AG	US-	4,968,940	11-06	-1990	Clark et al.			
	AH	US-	5,157,605		-1992	Chandler et al.			
	Al	US-	5,594,343		-1997	Clark et al.			
	AJ	US-	5,210,691		-1993	Freedman et al.			
	AK	US-	5,469,062		-1995	Meyer, Jr.			
	AL	บร-	5,675,147		'-1997	Ekstrom et al.			
	AM	US-	5,867,806		2-1999	Strickland et al.			
	AN	US-	5,869,968		9-1999	Brooks et al.			
	AO_	US-	5,881,973		5-1999	Agajanian et al.			
	AP	US-	5,892,361		3-1999	Meyer, Jr. et al. Wu et al.			
	AQ	US-	5,963,036		5-1999	Hagiwara			
	AR	US-	5,966,013		2-1999 1-2000	Barber et al.			
	AS	US-	6,047,240		9-2000	Meyer, Jr. et al.			
	AT	US-	6,060,884		3-2000	Wu Wu			
	AU_	US-	6,092,024		3-2001	Hagiwara			
	AV	US-	6,211,678 B1 6,216,090 B1		0-2001	Hagiwara			
	AW	US-	6,218,841 B1		7-2001	Wu			
	ÂŶ	US-	6,344,746 B1		5-2002	Chunduru et al.			
	AZ	US-	6,366,858 B1		2-2002	Haugland			
	ĀĀĀ	US-	6,385,545 B1		7-2002	Wu			
	AAB	US-	2003/0163258 A1	08-2	8-2003	Haugland			
	7.0.0	1 00							
			FOI	SEICH	DATENT D	CLIMENTS			
		т —	Foreign Patent Document	KEIGN	PATENTO	OCUMENTS	T	Pages, Columns, Lines,	\top
Examiner	Cite	*		Publication Date		Name of Patentee or		Where Relevant Passages	
Initials*	No.	Country Code-Number-Kind Code		MM-DD-YYYY		Applicant of Cited Document	or	Relevant Figures Appear	T ¹
		1					l		
	 	1 -						***	
	<u> </u>			ل	.			***************************************	
			OTHER PRIOR ART	<u>г – NOI</u>	PATENT	LITERATURE DOCUMENT	<u>s</u>	<u> </u>	
						DOLLAR CONTROL OF THE		riata) titla of tha	
Examiner	Cite		Include name of the autho	r (in CAF	PITAL LETTE	RS), title of the article (when ap sium, catalog, etc.), date, page	propi	nate), title of the olume-issue	T ¹
Initials*	No.		numl	her(s) o	ublisher, city :	and/or country where published			
	AAC	Diele	ectric-Independent 2-MHz P	ropaga	tion Resistiv	rities. Peter T. Wu, John R. I	ove	ell, Brian Clark,	1
	1	Step	hen D. Bonner and Jacques	s Ř. Ťal	oanou, Soci	ety of Petroleum Engineers	, Inc	:. SPE 56448, 19	
	ı	nage	ae (1999)						-
	AAD	New	Developments in 2- MHz E	lectrom	agnetic Wa	ve Resistivity Measurement	s, S.	Gianzero, G. A.	
	' - '-	Merchant, M. Haugland and R. Strickland, SPWLA 35th Annual Logging Symposium, pp. 1-25 (June 19-							
		22, 1994). AAE Vertical Deconvolution of 2 MHz Propagation Tools, Richard Rosthal, David Allen and Stephen Bonner,							
	AAE	Vert	ical Deconvolution of 2 MHz	Propa	gation 1001s	s, Richard Rosinal, David Ali	en e	and Stephen Bonner,	l
		SPV	VLA 34th Annual Logging S	ymposii	ım (June 13	5-10, 1993 <i>)</i> .			
···						Data			
Examiner						Date Considered			
Signature	ــــــــــــــــــــــــــــــــــــــ								
4	<u> </u>	:-1 :£ ···	forence considered whether	r or not	citation is i	conformance with MPEP 6	09	Draw line through citation	n if
EXAMIN	EK: INI	iai it rei	net considered lactude cor	v of thi	s form with	next communication with ap	olica	ent.	
not in cor	ιιοπnan	e and I	heck mark here if English la	יא פו נווו	Translation	n is attached	,		
Applican	it is to Di	ace a c	HEUR MAIR HEIR II ENGISK IA	yuayt	, i i di i Sidil Ol	i io allaonos.			

FOREIGN PATENT DOCUMENTS Foreign Patent Document Foreign Patent Document Cite No. Country Code-Number-Kind Code MM-DD-YYYY Applicant of Cited Document FOREIGN PATENT DOCUMENTS Foreign Patent Document Publication Date MM-DD-YYYY Applicant of Cited Document Publication Date MM-DD-YYYY Applicant of Cited Document Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear Tourish Pages, Columns, Lines, Where Relevant Passages or Relevant Pass	Substitute for fo	rm 1449A	/PTO					Complet	e if Kr	nown	
STATEMENT BY APPLICANT (Use as many sheets as necessary) Sheet 2 of 2 Atomsy Docket Number PAT022US U.S. PATENT DOCUMENTS Document Number U.S. PATENT DOCUMENTS Document Number U.S. PATENT DOCUMENTS Document Number Document Number Publication Date Applicant of Cited Document Of Cited Document Passages of Relevant P	INFORMATION DISCLOSURE			Application Number							
Sheet 2								S Mark Haudland			
Examiner Name	`				Art Unit				\dashv	S. Mark Haugianu	
U.S. PATENT DOCUMENTS Document Number Cole Number-Kind Code (if known) Document Number Publication Date		(use as	s many sheets as necessary)								
Document Number Publication Date Name of Patentee or Applicant of Cited Document Publication Date Name of Patentee or Applicant of Cited Document Publication Date Name of Patentee or Applicant of Cited Document Publication Date Name of Patentee or Applicant of Cited Document Publication Date Name of Patentee or Applicant of Cited Document Publication Date Name of Patentee or Applicant of Cited Document Publication Date Name of Patentee or Applicant of Cited Document Publication Date Name of Patentee or Applicant of Cited Document Publication Date Name of Patentee or Nam	Sheet	2	of 2		Attorney	Do	cket Nu	mber		PAT022US	
Document Number Publication Date Name of Patentee or Applicant of Cited Document Publication Date Name of Patentee or Applicant of Cited Document Publication Date Name of Patentee or Applicant of Cited Document Publication Date Name of Patentee or Applicant of Cited Document Publication Date Name of Patentee or Applicant of Cited Document Publication Date Name of Patentee or Applicant of Cited Document Publication Date Name of Patentee or Applicant of Cited Document Publication Date Name of Patentee or Applicant of Cited Document Publication Date Name of Patentee or Nam											
Publication Date Number-Kind Code (If known) Publication Date Number-Kind Code (If known) Publication Date Applicant of Cited Document Pages, Columns, Lines, Windows Pages, Lines, Line				S. PAT	ENT DOC	UM	IENTS				_
FOREIGN PATENT DOCUMENTS Foreign Patent Document Foreign Patent Document Country Code-Number-Kind Code Publication Date MA-DDYYYY Applicant of Cited Document OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Foreign Patent Document OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Foreign Patent Document OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Foreign Patent Document OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Foreign Patent Document Include name of the author (in CAPITAL LETTERS), tille of the article (when appropriate), bitlier of the flown by the problematic price of the flown patents of the author (in CAPITAL LETTERS), tille of the article (when appropriate), bitliams color and patents of the author (in CAPITAL LETTERS), tille of the article (when appropriate), bitliams color and patents of the author (in CAPITAL LETTERS), tille of the article (when appropriate), bitliams color and patents of the author (in CaPITAL LETTERS), tille of the article (when appropriate), bitliams color and patents of the patents of the patents of the flown patents of the fl	Examiner	Cite	Document Number								
Foreign Patent Document Foreign Patent Document Country Code-Number-Kind Code MM-DD-YYYY Applicant of Cited Document Country Code-Number-Kind Code MM-DD-YYYY Applicant of Cited Document The Reveal Figures Appeal The Machaelan of Application of Machaelan of Application of Cited Document No. Cite Machaelan of Cited Document Include name of the author (in CAPITAL LETTERS), tills of the article (when appropriate), title of the imp took, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published BA Geometric Factor and Adaptive Deconvolution of MWD-PWR Tools, Q. Zhou, D. J. Hilliker and D. Norwood, The Log Analyst, pp. 390-398 (July-August, 1992). BB Reconciling Differences in Depth of Investigation Between 2: MHz Phase Shift and Attenuation Resistivity Measurements, Tarek Habashy and Barbara Anderson, SPWLA 32nd Annual Logging Symposium, pp. 1-20 (June 16-19, 1991). BC Complex Variables and Applications Shi Ed., Ruel V. Churchill and Jamese Ware Brown, 2 cover pages, and pp. 48-50 (1990). BD Waves and Fields in Inhomogeneous Media, Transients, Weng Cho Chew, 2 cover pages, pp. 244-246, 300-356, and 48-497 (1990). BE Algorithm 64.7 Institution of Interpolation at Arbitrarily Distributed Points in the Plane, Robert J. Ringer Beased Composition Methods and A. K. Cline, rocky Mountain Journal of Mathematics, Vol. 14, No. 1, pp. 223-237 (Winter 1984). BC Geophysicists, Vol. XVII, No. 6, part 1, cover page and pp. 828-858 (December 1962). BH MORAN J. H. and CHEMALI, R. E., More and the Latendary Distributed Points in the Plane Robert J. Robert J. Robert J. A. H. and CHEMALI, R. E., More and the Latendary Distributed Points (Proceedings of Exploration Geophysicists, Vol. XVII, No. 6, part 1, cover page and pp. 828-858 (December 1962). BH MORAN J. H. and CHEMALI, R. E., More and the Latendary Distributed Points (Proceedings of Exploration Geophysics). Physical Prospecting 27, pp. 902-930 (1979). BJ ADEA, EUGENE A. and Ever	Initials*	No.	Number-Kind Code (if known)	MM-	-DD-YYYY		Applica	int of Cited Doc	ument		
Cite No. Country Code-Number-Kind Code Publication Date Name of Patentee or Applicant of Cited Document Country Code-Number-Kind Code Publication Date Name of Patentee or Applicant of Cited Document The Patentee or Name of Patentee or Name or					. ,	\dashv					
Cite No. Country Code-Number-Kind Code Publication Date Name of Patentee or Applicant of Cited Document Country Code-Number-Kind Code Publication Date Name of Patentee or Applicant of Cited Document The Patentee or Name of Patentee or Name or											
Cite No. Country Code-Number-Kind Code Publication Data Application of Data Application of Country Code-Number-Kind Code Publication Data Application of Cited Document Application of Cited Document Country Code-Number-Kind Code Publication Data Application of Cited Document Cite Ci			FORE	EIGN P	ATENT D	OC	UMENT	s			
Country Code-Number-Kind Code MM-DD-YYYY Applicant of Cited Document Or Relevant Figures Appear Time Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Time Mood, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Time Mood, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Time Mood, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Time Mood, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Time Mood, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Time Mood, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Time Mood, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Time Mood, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Time Mood, magazine, journal, symposium, catalog, etc.), date, page(s), volume-issue Time Mood, magazine, journal, journal, journal, symposium, catalog, etc.), date, page(s), volume-issue), and page Mood, magazine, journal,	inar	Cito	Foreign Patent Document	Qublic	ation Data						
Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the hite (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Timumber(s), publisher, city and/orc country whener publisher Deconvolution of MWD-PWK Tools, Q, Zhou, D. J. Hilliker and D. Norwood, The Log Analyst, pp. 390-398 (July-August, 1992). BB Reconciling Differences in Depth of Investigation Between 2- MHz Phase Shift and Attenuation Resistivity Measurements, Tarek Habashy and Barbara Anderson, SPWLA 32nd Annual Logging Symposium, pp. 1-20, June 16-19, 1991). BC Complex Variables and Applications 5th Ed., Ruel V. Churchill and James Ware Brown, 2 cover pages and pp. 48-50 (1990). BD Waves and Fields in Inhomogeneous Media, Transients, Weng Cho Chew, 2 cover pages, pp. 244-246, 360-365 and 485-487 (1990). BE Algorithm 624: Triangulation and Interpolation at Arbitrarily Distributed Points In the Plane, Robert J. Renka, ACM Transaction on Mathematical Software, Vol. 10, pp. 440-442 (December 4, 1984). BF A Triangle-Based C Interpolation Method, R. J. Renka and A. K. Cline, rocky Mountain Journal of Mathematics, Vol. 14, No. 1, pp. 223-237 (Winter 1984). BG Geophysics, A Journal of General and Applied Geophysics, Published by The Society of Exploration Geophysicists, Vol. XXVII, No. 6, Part 1, cover page and pp. 828-858 (December 1962). BH MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device, Geophysical Prospecting 27, pp. 902-930 (1979). BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, 1EEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA_ ELGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BN New Discovery w	Examiner Initials*		Country Code-Number-Kind Code			Α			nt o		T ¹
Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the hite (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Timumber(s), publisher, city and/orc country whener publisher Deconvolution of MWD-PWK Tools, Q, Zhou, D. J. Hilliker and D. Norwood, The Log Analyst, pp. 390-398 (July-August, 1992). BB Reconciling Differences in Depth of Investigation Between 2- MHz Phase Shift and Attenuation Resistivity Measurements, Tarek Habashy and Barbara Anderson, SPWLA 32nd Annual Logging Symposium, pp. 1-20, June 16-19, 1991). BC Complex Variables and Applications 5th Ed., Ruel V. Churchill and James Ware Brown, 2 cover pages and pp. 48-50 (1990). BD Waves and Fields in Inhomogeneous Media, Transients, Weng Cho Chew, 2 cover pages, pp. 244-246, 360-365 and 485-487 (1990). BE Algorithm 624: Triangulation and Interpolation at Arbitrarily Distributed Points In the Plane, Robert J. Renka, ACM Transaction on Mathematical Software, Vol. 10, pp. 440-442 (December 4, 1984). BF A Triangle-Based C Interpolation Method, R. J. Renka and A. K. Cline, rocky Mountain Journal of Mathematics, Vol. 14, No. 1, pp. 223-237 (Winter 1984). BG Geophysics, A Journal of General and Applied Geophysics, Published by The Society of Exploration Geophysicists, Vol. XXVII, No. 6, Part 1, cover page and pp. 828-858 (December 1962). BH MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device, Geophysical Prospecting 27, pp. 902-930 (1979). BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, 1EEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA_ ELGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BN New Discovery w											
Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the hite (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Timumber(s), publisher, city and/orc country whener publisher Deconvolution of MWD-PWK Tools, Q, Zhou, D. J. Hilliker and D. Norwood, The Log Analyst, pp. 390-398 (July-August, 1992). BB Reconciling Differences in Depth of Investigation Between 2- MHz Phase Shift and Attenuation Resistivity Measurements, Tarek Habashy and Barbara Anderson, SPWLA 32nd Annual Logging Symposium, pp. 1-20, June 16-19, 1991). BC Complex Variables and Applications 5th Ed., Ruel V. Churchill and James Ware Brown, 2 cover pages and pp. 48-50 (1990). BD Waves and Fields in Inhomogeneous Media, Transients, Weng Cho Chew, 2 cover pages, pp. 244-246, 360-365 and 485-487 (1990). BE Algorithm 624: Triangulation and Interpolation at Arbitrarily Distributed Points In the Plane, Robert J. Renka, ACM Transaction on Mathematical Software, Vol. 10, pp. 440-442 (December 4, 1984). BF A Triangle-Based C Interpolation Method, R. J. Renka and A. K. Cline, rocky Mountain Journal of Mathematics, Vol. 14, No. 1, pp. 223-237 (Winter 1984). BG Geophysics, A Journal of General and Applied Geophysics, Published by The Society of Exploration Geophysicists, Vol. XXVII, No. 6, Part 1, cover page and pp. 828-858 (December 1962). BH MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device, Geophysical Prospecting 27, pp. 902-930 (1979). BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, 1EEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA_ ELGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BN New Discovery w			OTHER PRIOR ART	- NON	PATENT	LIT	ERATU	RE DOCUME	NTS		
itlatis* No. Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. In Morwood, The Log Analyst, pp. 390-398 (July-August, 1992). BB Reconciling Differences in Depth of Investigation Between 2: MHz Phase Shift and Attenuation Resistivity Measurements, Tarek Habashy and Barbara Anderson, SPWLA 32nd Annual Logging Symposium, pp. 1-20 (June 16-19, 1991). BC Complex Variables and Applications 5th Ed., Ruel V. Churchill and James Ware Brown, 2 cover pages and pp. 48-50 (1990). BD Waves and Fields in Inhomogeneous Media, Transients, Weng Cho Chew, 2 cover pages, pp. 244-246, 360-365 and 485-487 (1990). BE Algorithm 624: Triangulation and Interpolation at Arbitrarily Distributed Points In the Plane, Robert J. Renka, ACM Transaction on Mathematical Software, Vol. 10, pp. 440-442 (December 4, 1984). BF A Triangle-Based C' Interpolation Method, R. J. Renka and A. K. Cline, rocky Mountain Journal of Mathematics, Vol. 14, No. 1, pp. 223-237 (Winter 1984). BG Geophysics, A Journal of General and Appliced Geophysics, Published by The Society of Exploration Geophysicists, Vol. XVIII, No. 6, pp. 223-237 (Winter 1984). BH MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device, Geophysical Prospenting 27, pp. 902-930 (1979). BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, IEEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ ADEA, EUGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BN New Discovery with Important Implications of LVPD Propagation Resistivity Processing and Interpretation, S. Nafk Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BN New Discovery with Important Impli			1							rinto) title of the	
BA Geometric Factor and Adaptive Deconvolution of MWD-PWR Tools, Q. Zhou, D. J. Hilliker and D. Norwood, The Log Analyst, pp. 390-398 (July-August, 1992). BB Reconciling Differences in Depth of Investigation Between 2- MHz Phase Shift and Attenuation Resistivity Measurements, Tarek Habashy and Barbara Anderson, SPWLA 32nd Annual Logging Symposium, pp. 1-20 (June 16-19, 1991). BC Complex Variables and Applications 5th Ed., Ruel V. Churchill and James Ware Brown, 2 cover pages and pp. 48-50 (1990). BD Waves and Fields In Inhomogeneous Media, Transients, Weng Cho Chew, 2 cover pages, pp. 244-246, 360-363 and 485-487 (1990). BE Algorithm 624: Triangulation and Interpolation at Arbitrarily Distributed Points In the Plane, Robert J. Renka, ACM Transaction on Mathematics 150 ftway, Vol. 10, pp. 440-442 (December 4, 1984). BF A Triangle-Based C Interpolation Method, R. J. Renka and A. K. Cline, rocky Mountain Journal of Mathematics, Vol. 14, No. 1, pp. 222-237 (Winter 1994). BG Geophysics, A Journal of General and Applied Geophysics, Published by The Society of Exploration Geophysics Vol. XXVII, No. 6, Part 1, cover page and pp. 828-858 (December 1962). BH MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device, Geophysical Prospecting 27, pp. 902-303 (1979). BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, IEEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA, EUGENE A. and EVERETT, MARK E., 3-Pinite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BN ANG Forthan Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (September 1997). BN ANG Forthan Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (Sep	Examiner Initials*		item (book magazine ic	ournal, s	erial, sympo	osiui	ım. catalo	g, etc.), date, pa	ige(s), i	volume-issue	T¹
BB Reconcling Differences in Depth of Investigation Between 2- MHz Phase Shift and Attenuation Resistivity Measurements, Tarek Habashy and Barbara Anderson, SPWLA 32nd Annual Logging Symposium, pp. 1-20 (June 16-19, 1991). BC Complex Variables and Applications 5th Ed., Ruel V. Churchill and James Ware Brown, 2 cover pages and pp. 48-50 (1990). BD Waves and Fields In Inhomogeneous Media, Transients, Weng Cho Chew, 2 cover pages, pp. 244-246, 360-365 and 485-487 (1990). BE Algorithm 624: Triangulation and Interpolation at Arbitrarily Distributed Points In the Plane, Robert J. Renka, ACM Transaction on Mathematical Software, Vol. 10, pp. 440-442 (December 4, 1984). BF A Triangle-Based C'Interpolation Method, R. J. Renka and A. K. Cline, rocky Mountain Journal of Mathematics, Vol. 14, No. 1, pp. 223-237 (Winter 1984). BG Geophysics, A Journal of General and Applied Geophysics, Published by The Society of Exploration Geophysics, Vol. XXVII, No. 6, Part 1, cover page and pp. 828-658 (December 1982). BH MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device, Geophysic Prospecting 27, pp. 902-390 (1979). BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, IEEE Transactions on Geosclence and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA, EUGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. 46. BP Estimation of Water Content and Foresity Using Combined Readar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanel, Technical University of Berlin, Dept. of Applied			numbe	r(s) nul	blisher, city a	and	l/or counti	v where publish	ed		
BB Reconciling Differences in Depth of Investigation Between 2- MHz Phases Shift and Attenuation Resistivity Measurements, Tarek Habashy and Barbara Anderson, SPWLA 32nd Annual Logging Symposium, pp. 1-20 (June 16-19, 1991). BC Complex Variables and Applications 5th Ed., Ruel V. Churchill and James Ware Brown, 2 cover pages and pp. 48-50 (1930). BD Waves and Fields in Inhomogeneous Media, Transients, Weng Cho Chew, 2 cover pages, pp. 244-246, 363-355 and 485-487 (1990). BE Algorithm 624: Triangulation and Interpolation at Arbitrarily Distributed Points In the Plane, Robert J. Renka, ACM Transaction on Mathematical Software, Vol. 10, pp. 440-442 (December 4, 1964). BF A Triangle-Based C' Interpolation Method, R. J. Renka and A. K. Cline, rocky Mountain Journal of Mathematics, Vol. 14, No. 1, pp. 223-237 (Winter 1984). BG Geophysics, A Journal of General and Applied Geophysics, Published by The Society of Exploration Geophysicists, Vol. XXVII, No. 6, pp. 232-237 (Winter 1984). BH MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device, Geophysical Prospecting 27, pp. 902-330 (1979). BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, IEEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA, EUGENEA and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 16, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 = E04.16 and 1-6 (September 1997). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, Ph.D., C. Eng., © 1995 by CRC Press, I		BA	Nonwood The Log Analyst on 30	20-398	f.luly-Augr	ıst	1992).				
Measurements, Tarek Habashy and Barbara Anderson, SPWLA 32nd Annual Logging Symposium, pp. 1- 20 (June 16-19, 1991). BC Complex Variables and Applications 5th Ed., Ruel V. Churchill and James Ware Brown, 2 cover pages and pp. 48-50 (1990). BD Waves and Fields in Inhomogeneous Media, Transients, Weng Cho Chew, 2 cover pages, pp. 244-246, 360-365 and 485-487 (1990). BE Algorithm 624: Triangulation and Interpolation at Arbitrarily Distributed Points In the Plane, Robert J. Renka, ACM Transaction on Mathematical Software, Vol. 10, pp. 440-442 (December 4, 1984). BF A Triangule-Based C Interpolation Method, R. J. Renka and A. K. Cline, rocky Mountain Journal of Mathematics, Vol. 14, No. 1, pp. 223-237 (Winter 1984). BG Geophysics, A Journal of General and Applied Geophysics, Published by The Society of Exploration Geophysics, Published Ceophysics, Published Dynamia of General and Applied Geophysics, Published By The Society of Exploration Geophysics, Algorithm of Chem. In Company of Prospecting 27, pp. 902-930 (1979). BI MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device, Geophysical Prospecting 27, pp. 902-930 (1979). BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, IEEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA, EUGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 = E04.16 and 1-6. (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugla		BB	Reconciling Differences in Denth	of Inve	stiaation B	etw	veen 2- l	MHz Phase SI	nift and	d Attenuation Resistivity	
BC Complex Variables and Applications 5th Ed., Ruel V. Churchill and James Ware Brown, 2 cover pages and pp. 48-50 (1990). BD Waves and Fields In Inhomogeneous Media, Transients, Weng Cho Chew, 2 cover pages, pp. 244-246, 360-355 and 485-487 (1990). BE Algorithm 624: Triangulation and Interpolation at Arbitrarily Distributed Points In the Plane, Robert J. Renka, ACM Transaction on Mathematical Software, Vol. 10, pp. 440-442 (December 4, 1984). BF A Triangule-Based C Interpolation Method, R. J. Renka and A. K. Cilne, rocky Mountain Journal of Mathematics, Vol. 14, No. 1, pp. 223-237 (Winter 1984). BG Geophysics, A Journal of General and Applied Geophysics, Published by The Society of Exploration Geophysicists, Vol. XXVII, No. 6, Part 1, cover page and pp. 828-858 (December 1962). BH MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device, Geophysical Prospecting 27, pp. 902-930 (1979). BI Effect of Tool Eccentricity on Some Electrical Well-Loggling Tools, John R. Lovell and Weng Cho Chew, IEEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA, EUGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Loggling, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C. Eng., © 1995 by CRC Press, Inc., co			Measurements, Tarek Habashy a	nd Barl	bara Ande	rso	n, SPWl	_A 32nd Annu	al Log	ging Symposium, pp. 1-	
and pp. 48-50 (1990). BD Waves and Fields In Inhomogeneous Media, Transients, Weng Cho Chew, 2 cover pages, pp. 244-246, 360-365 and 485-487 (1990). BE Algorithm 624: Triangulation and Interpolation at Arbitrarily Distributed Points In the Plane, Robert J. Renka, ACM Transaction on Mathematical Software, Vol. 10, pp. 440-442 (December 4, 1984). BF A Triangle-Based C' Interpolation Method, R. J. Renka and A. K. Cline, rocky Mountain Journal of Mathematics, Vol. 14, No. 1, pp. 223-237 (Winter 1984). BG Geophysics, A Journal of General and Applied Geophysics, Published by The Society of Exploration Geophysicists, Vol. XXVII, No. 6, Part 1, cover page and pp. 828-858 (December 1962). BH MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device, Geophysical Prospecting 27, pp. 902-930 (1979). BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, IEEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA, EUGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C. Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Di		DO.	20 (June 16-19, 1991).	ne 5th	Ed Ruel	V (Churchil	and James V	Vare B	rown, 2 cover pages	
BE Algorithm 624: Triangulation and Interpolation at Arbitrarily Distributed Points In the Plane, Robert J. Renka, ACM Transaction on Mathematical Software, Vol. 10, pp. 440-442 (December 4, 1984). BF A Triangle-Based C' Interpolation Method, R. J. Renka and A. K. Cline, rocky Mountain Journal of Mathematics, Vol. 14, No. 1, pp. 223-237 (Winter 1984). BG Geophysics, A Journal of General and Applied Geophysics, Published by The Society of Exploration Geophysicss, Nol. XXVII, No. 6, Part 1, cover page and pp. 828-858 (December 1962). BH MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device, Geophysical Prospecting 27, pp. 902-930 (1979). BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, IEEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA, EUGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation Of Water Content and Provisity Using Combined Radar and Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Res		ВС	and on 48-50 (1990).								
BE Algorithm 624: Triangulation and Interpolation at Arbitrarily Distributed Points In the Plane, Robert J. Renka, ACM Transaction on Mathematical Software, Vol. 10, pp. 440-442 (December 4, 1984). BF A Triangle-Based C' Interpolation Method, R. J. Renka and A. K. Cline, rocky Mountain Journal of Mathematics, Vol. 14, No. 1, pp. 223-237 (Winter 1984). BG Geophysics, A Journal of General and Applied Geophysics, Published by The Society of Exploration Geophysics (Sephysics), A Journal of General and Applied Geophysics, Published by The Society of Exploration Geophysics, Vol. XXVII, No. 6, Part 1, cover page and pp. 828-858 (December 1962). BH MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device, Geophysical Prospecting 27, pp. 902-930 (1979). BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, IEEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA, EUGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation Of Water Content and Porosity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yarama		BD		ous Me	edia, Trans	sien	nts, Wen	g Cho Chew,	2 cove	er pages, pp. 244-246,	
Renka, ACM Transaction on Mathematical Software, Vol. 10, pp. 440-442 (December 4, 1984). BF A Triangle-Based of Interpolation Method, R. J. Renka and A. K. Cline, rocky Mountain Journal of Mathematics, Vol. 14, No. 1, pp. 223-237 (Winter 1984). BG Geophysiciss, Vol. 14, No. 1, pp. 223-237 (Winter 1984). BG Geophysiciss, Vol. XXVII, No. 6, Part 1, cover page and pp. 828-858 (December 1962). BH MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device, Geophysicial Prospecting 27, pp. 902-930 (1979). BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, IEEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA, EUGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 - E04.16 and 1-6 (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation Of Water Content and Proristy Using Combined Redar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Chari		DE	360-365 and 485-487 (1990).	Interno	lation at A	rbit	rarily Dis	stributed Point	s In th	e Plane, Robert J.	-
Mathematics, Vol. 14, No. 1, pp. 223-237 (Winter 1984). BG Geophysics, A Journal of General and Applied Geophysics, Published by The Society of Exploration Geophysicists, Vol. XXVII, No. 6, Part 1, cover page and pp. 828-858 (December 1962). BH MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device, Geophysical Prospecting 27, pp. 902-930 (1979). BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, IEEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA, EUGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Compositiv Versions and Their Applications, Perambur S. Neelakanta, PhD., C. Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation Of Water Content and Porosity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MW		BE	Renka ACM Transaction on Math	nematio	cal Softwar	e. ۱	Vol. 10,	pp. 440-442 ((Decem	iber 4, 1984).	_
BG Geophysics, A Journal of General and Applied Geophysics, Published by The Society of Exploration Geophysicists, Vol. XXVII, No. 6, Part 1, cover page and pp. 828-858 (December 1962). BH MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device, Geophysical Prospecting 27, pp. 902-930 (1979). BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, IEEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA, EUGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation Of Water Content and Porosity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hall Meyer, SPWLA 40th		BF	A Triangle-Based C ¹ Interpolation	Metho	od, R. J. Re	enk	a and A	K. Cline, rock	ку Моц	intain Journal of	İ
BH MORAN, J. H. and CHEMALI, R. E., More on the Laterolog Device, Geophysical Prospecting 27, pp. 902-930 (1979). BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, IEEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA, EUGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation Of Water Content and Porosity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hall Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999).		BG	Geophysics A Journal of Genera	I and A	oplied Ged	aph	ivsics, P	ublished by TI	ne Soc	ciety of Exploration	
BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, IEEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA, EUGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation Of Water Content and Porosity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hal Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999).		50	Goophyeiciete Vol XXVII No 6	Part 1	cover pag	ie a	and no. 8	328-858 (Dece	mber	1962).	├
BI Effect of Tool Eccentricity on Some Electrical Well-Logging Tools, John R. Lovell and Weng Cho Chew, IEEE Transactions on Geoscience and Remote Sensing, Vol. 28, No. 1, pp. 127-136 (January 1990). BJ BADEA, EUGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation of Water Content and Pronsity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hall Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999).		вн	MORAN, J. H. and CHEMALI, R.	E., Mo	re on the L	.ate	erolog D	evice, Geophy	sicai i	Prospecung 27, pp. 902-	
BJ BADEA, EUGENE A. and EVERETT, MARK E., 3-D Finite Element Analysis of Induction Logging, 4 pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation Of Water Content and Porosity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hal Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999).	· · · · · · · · · · · · · · · · · · ·	BI	Effect of Tool Eccentricity on Son	ne Elec	trical Well-	-Lo	gging To	ools, John R. l	ovell a	and Weng Cho Chew,	
pages (date unknown). BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation Of Water Content and Porosity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hal Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999). Examiner Signature Date Considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.			I IEEE Transactions on Geoscience	e and I	Remote Se	ensi	ina. Vol.	28, No. 1, pp.	. 127-1	36 (January 1990).	
BK Fundamental Analysis of Remote-Field Eddy-Current Effect, IEEE Transactions on Magnetics, Vol. 32, No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation Of Water Content and Porosity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hall Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999). Examiner Signature Date Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.		BJ		±ΤΤ, Μ.	ARK E., 3-	·D F	Finite Ei	ement Anaiysi	s or in	auction Logging, 4	
No. 4, pp. 3195-3211 (July 1996). BL Numerical Recipes, The Art of Scientific Computing, © Cambridge Press 1986 and © Numerical Recipes Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation Of Water Content and Porosity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hal Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999). Examiner Signature Date Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.		BK	Fundamental Analysis of Remote	-Field	Eddy-Curre	ent	Effect, I	EEE Transact	ions o	n Magnetics, Vol. 32,	
Software, 2 cover pages, pp. 52-65 and 520-527 (1986). BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation Of Water Content and Porosity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hal Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999). Examiner Signature Pate Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.			No. 4 no. 3195-3211 (July 1996)	١.							-
BM NAG Fortran Library Manual Mark 18, © The Numerical Algorithms Group Limited, Vol. 4, D04-4E04L cover pages and pp. E04.1 – E04.16 and 1-6 (September 1997). BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation Of Water Content and Porosity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hal Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999). Examiner Signature Date Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.		BL	Software 2 cover pages pp 52-4	65 and	520-527 (198	36).				<u>L</u> .
BN New Discovery with Important Implications of LWD Propagation Resistivity Processing and Interpretation, S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation Of Water Content and Porosity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hal Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999). Examiner Signature Date Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.		ВМ	NAG Fortran Library Manual Mar	k 18, ©	The Num	eric	cal Algor	ithms Group L	imited	i, Vol. 4, D04-4E04L	
S. Mark Haugland, SPWLA 42nd Annual Logging Symposium, pp. 1-14 (June 17-20, 2001). BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation Of Water Content and Porosity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hal Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999). Examiner Signature Date Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.		L	cover pages and pp. E04.1 – E04	4.16 an	d 1-6 (Sep	ten	mber 199	n Resistivity	Proces	ssing and Interpretation	+-
BO Handbook of Electromagnetic Materials, Monolithic and Composite Versions and Their Applications, Perambur S. Neelakanta, PhD., C.Eng., © 1995 by CRC Press, Inc., cover pages and p. 46. BP Estimation Of Water Content and Porosity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hal Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999). Examiner Signature Date Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.		BN	S Mark Haudland SPWI A 42nd	Annua	al Logaina	Svr	mposium	1, pp. 1-14 (Ju	ne 17-	·20, 2001).	_
BP Estimation Of Water Content and Porosity Using Combined Radar and Geoelectrical Measurements, Grit Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hal Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999). Examiner Signature Date Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.		во	Handbook of Electromagnetic Ma	aterials	. Monolithi	c ai	nd Com	oosite Version	s and	Their Applications,	
Dannowski and Ugur Yaramanci, Technical University of Berlin, Dept. of Applied Geophysics, July 28, 1999. BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hal Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999). Examiner Signature Date Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.		DD	Perambur S. Neelakanta, PhD., C	C.Eng.	ity Usina (y C	nbined F	ss, inc., cover Radar and Geo	pages pelectr	ical Measurements. Grit	+
BQ Comparisions of Wireline and LWD Resistivity Highlight Resistivity Frequency Dispersion In Sedimentary Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hal Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999). Examiner Signature Date Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.		RP	Dannowski and Ugur Yaramanci	, Techr	nical Unive	rsit	y of Berl	in, Dept. of Ap	plied	Geophysics, July 28,	
Formations, Roland Chemali, Dale Heysee, G. A. Merchang, Charles Jackson, SPWLA 36th Annual Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hal Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999). Examiner Signature Date Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.			1999								+-
Logging Symposium, pp. 1-12 (June 26-29, 1995). BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hal Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999). Examiner Signature Date Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.		BQ	Comparisions of Wireline and LV	<i>VD Res</i> de Hev	sistivity Hig see. G. A	ınlıç Me	g <i>nt Kesi:</i> erchand	suvity rrequer Charles Jacks	son. Si	PWLA 36th Annual	
BR In-situ Measurement of Resistivity Dispersions (or lack of it) Using MWD Propagation Resistivity Tools, W. Hal Meyer, SPWLA 40th Annual Logging Symposium, pp. 1-14, (May 30 – June 3, 1999). Examiner Signature Date Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.			Logging Symposium on 1-12 (J	une 26	-29 1995)						1
Examiner Signature Date Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.		BR	In-situ Measurement of Resistivit	tv Disp	ersions (or	· lac	ck of it)	Jsing MWD Pi	ropaga	ntion Resistivity Tools, W.	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.		J	Hal Meyer, SPWLA 40th Annual	Loggin	ig Sympos	ıuπ	п, рр. 1-	14, (IVIAY 30 -	Juile .	J, 1333).	1
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.	Fyaminer	Т					- 1	Date	Т	<u> </u>	
not in conformance and not considered. Include copy of this form with next communication with applicant.		<u> </u>			· · · · · · · · · · · · · · · · · · ·						
not in conformance and not considered. Include copy of this form with next communication with applicant.					oitotica is	in -	oonfo	nce with MDE	D EOO	Draw line through citation	on if
¹ Applicant is to place a check mark here if English language Translation is attached.	*EXAMIN	ER: Ini	tial it reterence considered, whether	or not v of this	บแลนอก IS s form with	ın C	ext comn	nunication with	ous ilags r	cant.	J. 1 11
	¹ Applican	t is to n	lace a check mark here if English lar	nguage	Translation	n i	s attach	ed.			